Date: Tue, 5 Oct 93 08:34:08 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1180
To: Info-Hams

Info-Hams Digest   Tue, 5 Oct 93   Volume 93 : Issue 1180

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 05 Oct 93 05:28:51 GMT
From: swrinde!news.dell.com!natinst.com!cs.utexas.edu!math.ohio-state.edu!
howland.reston.ans.net!spool.mu.edu!umn.edu!csus.edu!netcom.com!netcomsv!bongo!
skyld!jangus@network.ucsd.edu
Subject: Alpha Bravo Charlie Delta alphabets
To: info-hams@ucsd.edu

In article <28id87$k78@chnews.intel.com> jbromley@sedona.intel.com writes:

> Qualcomm Rohn Standard Ten-tec Uniden Vaco Wacom Xcelite Yaesu
                                                ^^^^^
                                                Weller

 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
 US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
   Phone: 1 (310) 324-6080 | badly run corporation."

Date: 5 Oct 93 14:00:14 GMT
From: ogicse!hp-cv!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@network.ucsd.edu
Subject: Ancient philosophers for $100
To: info-hams@ucsd.edu

And look where it got Socrates !

David
GM4ZNX

Date: Tue, 5 Oct 1993 00:49:08 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!darwin.sura.net!gatekeeper.es.dupont.com!
esds01.es.dupont.com!COLLINST%esvx19.es.dupont.com@network.ucsd.edu
Subject: Best way to learn code?
To: info-hams@ucsd.edu

In article <28asm8$2g1@lester.appstate.edu>, RW884@CONRAD.APPSTATE.EDU (Watkins,
Robert Shawn) writes:
>I am wanting to upgrade to general and was wondering what people
>thought is the best/easiest way to learn the code. I don't think
>I'll have a problem with the written part of the exam, but the code
>seems to be the biggest stumbling block. Any advice would be appreciated.
>Thanks in advance.
>
>KE4FPZ
It happened in the Fall/Winter 1971, Ft. Devens MA. US Army Security
Agency training for Non-Morse Intercept operators.

I was placed at a position that had a keyboard, headsets, and
a screen that looked like the keyboard. They had one of the
first computers to first teach us to touch type then once that

was accomplished came the morse code.

Several times a day we would stand at Parade Rest behind our positions and the instructor would go through the alphabet with us....
DI DAH ALPHA
DAH DI DI DIT BRAVO
DAH DI DAH DIT CHARLIE

Ahhh! the sounds of 60 young men verbalizing the sacred language of Morse....

The computer would keep track of errors, and it behooves each solider to improve himself each and every day. Otherwise one would find a trashcan over his head screaming out...

DI DI DIT SIERRA
DI DI INDIA
DI DI DI DIT HOTEL

I never made that select group. But one was expected to go from 0 WPM to 18 WPM in 6 weeks. The threat, REMEDIAL TRAINING. Here there were no breaks outside. Breaks were standing at Parade Rest for ten minutes behind ones position. You were given 2 additional weeks to copy 10 minutes code with no more than 5 errors.

I did end up in Remedial training. It took me 6 days to pass.

So what was the incentive to pass.....it was during Vietnam, and everyone who failed went to either a Infantry or Armor training course who didn't....

The moral of this story is...practice, practice, practice. There is no other way around it. The more comfortable you are with code, the better your copy will be. I don't suggest 6 hours a day, 6 days a week...but after I hadn't copied any for about ten years. It took me 3 weeks at 30-60minutes a day to go from about 10WPM up to 22WPM. Find a quiet place, tell the family your not to be disturb and go at it.

73, Tom WI3P collinst@esvax.dnet.dupont.com or collinst@holonet.net

---

Date: Mon, 4 Oct 1993 12:05:00 GMT
From: swrinde!sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!agate!
library.ucla.edu!news.mic.ucla.edu!unixg.ubc.ca!nntp.cs.ubc.ca!alberta!nebulus!
ve6mgs!usenet@network.ucsd.edu
Subject: GB2ATG
To: info-hams@ucsd.edu

RYRYRY - GB2ATG - RYRYRYRYRY - BARTG - RYRYRYRYRY - GB2ATG - RYRYRY
This is the - British Amateur Radio Teledata Group - News Broadcast Service
for all Amateurs and Short Wave Listeners interested in RTTY Amtor and Pactor.

This news is broadcast during the first full week commencing Monday each
month, to the following schedule..

Evening transmissions at 1930 GMT. on 3.584 MHz. Mark.
RTTY on Monday-AFSK, Wednesday-AFSK, Friday-FSK and Saturday-AFSK.
Amtor-FEC on Tuesday and Thursday.
Morning transmission at 1000 GMT. on 7.041 MHz. Mark.
RTTY on Sunday-AFSK.
Stated frequencies could be plus or minus for QRM.

An edited version of this bulletin is available on the Packet network as a
BARTG @ GBR. file thanks to: Andy G3ZYP @ GB7BBS. 28.GBR.EU. It is also posted
on the "INTERNET" system via the INFO-HAMS list on UCSD.EDU. thanks to Iain
(G6ARO) who is available on the "JANET" network as Iain @ HUMBER.AC.UK

News for October 1993. Bulletin No. 010. (all times are GMT).

BARTG Information.
The 1993 Annual General Meeting of the British Amateur radio Teledata Group
will be held on Sunday 13th November 1993 at the Green (wine bar and
restaurant.) The Green, Mere Green Road, Four Oaks, Sutton Coldfield,
commencing at 2 pm. This is the same venue used for the 1992 AGM which proved
to be a popular location for many members. Lunch and other refreshments are
available. Coffee and biscuits will be served during an interval in the
proceedings. All members are welcome. The venue is well served by road and rail
and full directions will be published in the Autumn issue of Datacom. Those
intending to attend are advised to contact the group secretary Ian Brothwell
(G4EAN) QTHR, or by phone on 0602 262360 or to G4EAN @ GB7BAD. 23.GBR.EU. to
ensure everyone is provided a copy of the minutes, something to sit on and a
cup of coffee.

RTTY DX Activity.
14 MHz.
SV2ASP/A 0530, KH6AAC, EA6VS and 7Z2AB 0700, KL7JAF 0800, TK/DL8NBH 1030,
HL9KU 1130, XX9AS 1230, UJ8JCQ 1330, UP5A 1400, JT1CS and XU3DWC 1430, YB5QZ

and 9M2RS 1530, A45XC and VR2GO 1630, Z32JA 1700, VU2SJV 1800, ZS1WP and YI1AL/2 1900, T91AAS 1930, PJ2MW 2030.
21 MHZ.
ZC4ST 1230, TK/DL8NBH 1530, Z32JA 1700, 7Z2AB 1930,

14 MHz ARQ.
VQ9CE 1430.

QSL Information.
7Z2AB via AA0BC. XU3DWC via PA0RYS. UP5A via RL7AE. HL9KU VIA N7NMR. or via the HL9 buro.

Contests.
The WAEDC European RTTY DX Contest starts at 1200 GMT Saturday November 12 until 2400 GMT Sunday 13.
All 5 HF bands 3.5-7-14-21-28 MHZ.
Classifications are:
A) Single operator all band.
B) Multi operator single transmitter.
C) Multi operator multi transmitter.
D) Short Wave Listener. (special regulations).
Rest periods.
Of the 36 hours contest period only 30 hours of operating time is permitted for single operators. The 6 hours of rest may be taken in one but not more that three periods at any time during the contest.
Exchange message.
All stations exchange RST plus a progressive three digit serial number starting with 001. Multi-multi stations issue serial numbers by band.
Multiplier points.
One (1) point for each DXCC country worked on each band.
Multiplier bonus points.
The multipliers on 3.5 MHz may be multiplied by four (4).
The multipliers on 7 MHz may be multiplied by three (3).
The multipliers on 14/21/28 MHz may be multiplied by two (2).
QTC traffic.
Additional point credit can be claimed by reporting a QTC. i.e. Data of a QSO between a none European and a European station earlier in the contest. A QTC contains the time, call sign and QSO number of the station being reported.
QTC: 1307/DA1AA/431 means you worked DA1AA at 1307 GMT and received his serial number 431. A QSO may be reported only once and not back to the originating station.
A maximum of ten (10) QTC's can be sent to the same station which can be worked several times to complete this quota but only the original contact has QSO points value. The sum of QTC's exchanged between two stations (sent plus received) must not exceed ten (10).
QTC traffic is not allowed within one's own continent.
Keep a uniform list of QTC's sent. QTC 3/7 indicates that this is the third series and that seven (7) QSO's are now being sent.

Scoring:
The final score is computed by multiplying the sum of the total number of QSO's and QTC's by the sum of multipliers from all bands.
Special regulations for Short Wave Listeners:
The same call sign - European or non-European - may only be logged once per band. The log must contain both call signs and at least one on the control numbers. Each station logged counts one (1) point.
Each complete QTC (max ten (10) per station) one (1) point.
Multipliers are determined by the DXCC and WAE country lists.
Note: It is possible to claim up to two (2) multipliers in one logged contact. (Ed. I wish you good luck sorting that lot out).
Deadline for log entries is December 19th 1993 to:
WAEDC Contest Committee. P.O.Box 1328, D-8950 Kaufbeuren, Germany.

Notes of interest.
UP5A was active until September 28 from the Karaghiye Depression, "Black Jaws Canyon" 132 metres below sea level near Aktau.

Thanks this month to:
G3ZYP, G3MWH, DXNS, RSGB, VK2SG/RTDX, ARRL/ARLD AND OPDX/BARF80.

Copy of the news as distributed by G0ARF 930928.

BARTG caters for all DATA interests with information-components-kits -ready built units and software from experts. Members receive a 120 page quarterly journal devoted to data modes. Beginners guides for most data modes are available. The group sponsors HF and VHF RTTY contests, administers its own DX and members award scheme and runs an annual rally.

This copy of BARTG News is posted by Iain Kendall (G6ARO) who can be contacted via Internet e-mail at.. iain@humber.ac.uk Items for inclusion in the broadcast may also be mailed to this address, as well as any queries regarding membership or services offered by BARTG.

Date: 5 Oct 93 13:05:44 GMT
From: ogicse!uwm.edu!linac!att!cbnewsm!hellman@network.ucsd.edu
Subject: HTX-202 battery
To: info-hams@ucsd.edu

Geoff Mendelson writes that there is current regulation on the external power jack but not on the battery connector.
Geoff, I looked at my schemetic and it seems the regulator is built into the battery pack--it's before the charge LED between the charging jack and the NiCd. There is no difference in my HTX 202 between ext pwr and battery pwr, they are tied together through identical diodes.
Do we have different schemetics? My schemetic indicates that the HT

would see the same from a 13.8V pack as it would if the ext jack was
plugged into a car lighter at 13.8v.
Shel WA2UBK dara@physics.att.com (not the address in the header!!)

Date: Mon, 4 Oct 93 18:44:20 GMT
From: mercury.hsi.com!a3bee2.radnet.com!cyphyn!randy@uunet.uu.net
Subject: Know who you are talking about! (Was:CB Linear Buyback Program)
To: info-hams@ucsd.edu

Gene Wolford (genew@techbook.techbook.com) wrote:
: Kayd (kayd@prism.CS.ORST.EDU) wrote:
: : It would have been nice if the person that followed up my advertisement would
: : have taken the time to look me up in a callsign server. Half the reason I
: : purchased this amplifier from the Hillsboro auction was to avoid letting
: : some CB'er get it. True, I could be overpriced, but the market will determine
: : my selling price since I have done no research myself as to the actual worth
: : of such a device.
:
Sorry Gene, but the original post vanished....

That amp can be cleaned up and at least used to be a P.A. stage in a CW set,
or FM.

The power transistors they usually use are crummy ones for class AB work,
so are hairy to tame for use on SSB.
In essense, they put out parasitics of either 1 - 2 freqs or a hiss that
has a peak where ever the out put 'transformer' has a peak, and a peak
up on VHF low.
Using the usual .001 .01 .1 and 10uf by-pass caps on the B+ line right
by the transformer, & ferrit bead trick, may or may not cure the problem.
Running a 56 ohm 2 watt carbon comp. resistor in series with a .001-.0039 uf
cap, connect that from base to collector (do same for 2nd transistor if it
is push pull) will help some.
Placing 2 to 4 freeit beads ON the base and or collector 'wings' may be
a good way to cure the vhf hiss trouble....acts as a parasitic suppressor.
Just glue them in place once you find how many and position needed.

OK...with all that, at least it will run 'safe' (air worthy) for FM and CW
or true FSK.

To risk SSB, the bias has to be set 'just right' and track thermal changes--
which I've not gotten into...as I don't do SSB....only CW *
You'll probably get a zillion posts on how to properly bias from others!
(Gary may know!)

Then...you may be able to charge a price thats agreeable..or use it yerself.

* the only FM I do is occasional 2 mtrs.
--
Randy KA1UNW If you get a shock while
servicing your equipment, "Works for me!"
randy@192.153.4.200 DON'T JUMP! -Peter Keyes
You might break an expensive tube!

Date: Tue, 5 Oct 1993 01:09:58 GMT
From: dog.ee.lbl.gov!agate!spool.mu.edu!nigel.msen.com!yale.edu!cs.yale.edu!
wcsub.ctstateu.edu!ritterbus001@network.ucsd.edu
Subject: Looking for Swiss hams
To: info-hams@ucsd.edu

In article <28q0cj$n0j@hpchase.rose.hp.com>, cmoore@rose.hp.com (Chris Moore)
writes:
> Next year I will be vacationing in Switzerland for 3 weeks. I am looking for
> a someone I could talk to before, during and after my stay there. Are there
> any Swiss hams out there, preferably near Lungern, that would like to set
> up a sched?
>
I usually get Danish hams, myself, but Swiss cheese is very nice :-)

Sorry, I just couldn't resist ("The devil made me do it!" Flip Wilson)

Jim

Date: Tue, 05 Oct 93 05:20:30 GMT
From: swrinde!news.dell.com!natinst.com!cs.utexas.edu!uwm.edu!spool.mu.edu!
umn.edu!csus.edu!netcom.com!netcomsv!bongo!skyld!jangus@network.ucsd.edu
Subject: Low angle radiation
To: info-hams@ucsd.edu

In article <9310030905591.gilbaronw0mn.DLITE@delphi.com> gilbaronw0mn@delphi.com
writes:

  >
  > >In article <1993Sep30.210045.22547@PacBell.COM>, sjhawk2@srv.PacBell.COM
  > (Stephen Hawkins) writes...
  > >>In the book,
  >
  > IMHO there is just no excuse for quoting entire messages as the above did.

  He's lucky. In alt.tasteless we eat people for this transgression.

```
 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA  |  "It is difficult to imagine our
Internet: jangus@skyld.tele.com          |  universe run by a single omni-
 US Mail: PO Box 4425 Carson, CA 90749   |  potent god. I see it more as a
   Phone: 1 (310) 324-6080               |  badly run corporation."
```

Date: 04 Oct 1993 23:48:07 GMT
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!sol.ctr.columbia.edu!
hamblin.math.byu.edu!hamblin!emery@network.ucsd.edu
Subject: Motorola ad in QST?
To: info-hams@ucsd.edu

On Sun, 03 Oct 93 18:07:55 -0400, ben@nj8j.atl.ga.us (Ben Coleman) said:

> ham@wam.umd.edu (Scott Richard Rosenfeld) writes:

>> It seems that QST is an interesting place to run this ad, at the very
>> least. Maybe they think that hams are involved with piracy -

> Well, if it's software piracy they're worried about, that might not be
> too far off the mark. My experience has been that many hams think
> nothing about pirating software willy-nilly.

Yes, but if I buy it I don't think it is piracy to modify it and if I can
find "hidden" features, what is wrong with enabling them. It would
be piracy if I made a copy of their software and then sold the copy.

> Ben

```
> +--------------------------------------+---------------------------------+
> | Ben Coleman NJ8J                     | "All that is not eternal is     |
> | AX.25:  NJ8J@W4QO.#EAL.#ATL.GA.USA.NA |         eternally out of date." |
> | Internet: ben@nj8j.atl.ga.us         |                     C. S. Lewis |
> +--------------------------------------------------------------------------+
```

Emery, KB7TER

Date: 5 Oct 93 15:26:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: Multiband Wire Antenna
To: info-hams@ucsd.edu

I am presently helping a new Tech Plus set up a HF station. His city res 60' x 45' and houses a 1 1/2 story apartment.
He would like to work 80/40/20/15/10 meters. City codes discourage tall verticals and long radials.
We are considering shortened dipoles, but there are no trees or tall connection points for mounting. What are the thoughts on inverted V's, slopers, etc? (We would like to keep a low profile if possible.)
Any ideas or suggestions would be welcomed!

HELP!
John
N3PFF

Date: Mon, 04 Oct 1993 18:05
From: dog.ee.lbl.gov!overload.lbl.gov!agate!library.ucla.edu!news.mic.ucla.edu!MVS.OAC.UCLA.EDU!CSMSCST@network.ucsd.edu
Subject: noise models: solar vs. terrestrial ?
To: info-hams@ucsd.edu

In article <rbloomCEDyKx.7G6@netcom.com>,
rbloom@netcom.com (Ronald Bloom) writes:

>
>I guess the basic question I am wondering about is this:
>is HF noise of terrestrial origin (e.g. atmospheric, global-lightning, etc)
>significant factor in propagation predictions, relative to
>the Solar-Flux and magnetic activity which affect the ionosphere
>itself?

Yes. Ask anybody who's operated 80m from a tropical location (eg, Africa) during the rainy season. The s-meter readings from thunderstorms has to expereinced to be believed. And the noise, being radio waves, propagates very nicely off the ionospere, thank you.

With regard to propagation prediction, in addition to the concept of MUF, there is a corresponding concept of LUF - lowest useable frquency. The LUF is determined primarily by noise and d-layer absorbtion. The noise is terrestrial in origon. W6EL's Miniprop factors in LUF; I'm sure some of the other pgms do also.

-- Chris Thomas (CSMSCST@MVS.OAC.UCLA.EDU)

Date: Tue, 5 Oct 1993 01:29:45 GMT

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!usc!sdd.hp.com!caen!
usenet.cis.ufl.edu!usenet.ufl.edu!mailer.cc.fsu.edu!freenet.scri.fsu.edu!
dodsonm@network.ucsd.edu
Subject: Power Supplies
To: info-hams@ucsd.edu

gary@ke4zv.atl.ga.us (Gary Coffman) writes:
> In article <CE5Krx.BzA@mailer.cc.fsu.edu> bischoff@freenet.scri.fsu.edu (Bill
Bischoff) writes:
> >I will be in the market soon for a 30 amp (continous) power
> >supply. The major suppliers seem to be Astron, TrippLite and
((rest of query deleted))
>
> I've used Astrons for years. I have about a dozen 20 amp and 35 amp
> models powering various pieces of equipment. It's a simple brute
> force series regulated design, very conservative. It's big, ugly,
> heavy, and it works. The current rating shown in advertising is
> a ICAS value suitable for SSB use. For continous duty, consult
> the manufacturer's literature. Essentially, the 20 amp model is
> good for a continous 16 amps, the 35 amp model is good for a
> continous 25 amps, the 50 amp model is good for a continous 35
> amps, etc. That's true CCS, 24 hr/day 7 days/week. Your 737 isn't
> in that class. The 35M would be ideal for it.
>
> Gary
> --
> Gary Coffman KE4ZV |"If 10% is good enough | gatech!wa4mei!ke4zv!gary
> Destructive Testing Systems | for Jesus, it's good | uunet!rsiatl!ke4zv!gary
> 534 Shannon Way | enough for Uncle Sam."| emory!kd4nc!ke4zv!gary
> Lawrenceville, GA 30244 | -Ray Stevens |

I have had the same experience with several Astron supplies. They
work as advertised and never quit.
73,
--

Michael Dodson   Internet: dodsonm@freenet.scri.fsu.edu
2305 Forsythe Court   Packet: N4JEL@N0ARY.#nocal.ca.usa.na
Tallahassee FL 32308 USA   "To err is human, but it feels divine." Mae West

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Date: Tue, 05 Oct 93 05:16:13 GMT
From: swrinde!news.dell.com!natinst.com!cs.utexas.edu!uwm.edu!spool.mu.edu!
umn.edu!csus.edu!netcom.com!netcomsv!bongo!skyld!jangus@network.ucsd.edu
Subject: Soundblaster(tm) for Multi-mode Digital Communication
To: info-hams@ucsd.edu

In article <CE6Kr6.9J5@fc.hp.com> mckee@fc.hp.com writes:

>
> It should be possible to do everything you ask for with "a fast enough
> processor". I'd bet that 9600 baud is probably too fast for 486's, but
> I don't actually have any data to prove it...

Tests run with the ax25 packet driver using a g3ruh modem rather than a baycomm modem indicate a top speed of 8500 baud or so with a 386/33. 9600 baud will work if the ax25 driver is run on a 486/66.

It seems to me that this is a perfect example of HAM engineering. Using $4500 dollars worth of number crunching processor to eliminate a $125 TNC.

If this sounds far fetched, remember the Kantronics KAM does all its bit bashing in software rather than an HDLC chipset.

 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
 US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
   Phone: 1 (310) 324-6080 | badly run corporation."

Date: Tue, 05 Oct 93 05:23:05 GMT
From: swrinde!news.dell.com!natinst.com!cs.utexas.edu!uwm.edu!spool.mu.edu!umn.edu!csus.edu!netcom.com!netcomsv!bongo!skyld!jangus@network.ucsd.edu
Subject: vomiting system
To: info-hams@ucsd.edu

> ---
> * Origin: The Chicago Internet Gateway [CHIGATE.MCS.COM] (1:115/119.0)
> SEEN-BY: 115/747 2200/3 2112
> @PATH: 115/999 119 747 2200/2112
> 747 2200/2112

Anyone else out there want to take the person running this system out behind the building and beat them to death? Perhaps we can run a lottery and auction off this guys kneecaps one at a time.

 Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA | "It is difficult to imagine our
Internet: jangus@skyld.tele.com | universe run by a single omni-
 US Mail: PO Box 4425 Carson, CA 90749 | potent god. I see it more as a
   Phone: 1 (310) 324-6080 | badly run corporation."

Date: Tue, 05 Oct 1993 06:42:38 GMT
From: swrinde!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!spool.mu.edu!
nigel.msen.com!caen!malgudi.oar.net!witch!wabbit!rburns@network.ucsd.edu
Subject: When is Dayton??
To: info-hams@ucsd.edu

>Historically, Hamvention has always been Friday, Saturday,
>and Sunday of the last weekend of April. Next year I believe
>it will be on April 29-May 1 1994.   That could be subject to
>change, though.

Yo, Dave. Since you are in Dayton, any chance you could contact DARA and find out for sure since there's been some question raised about 1994's dates.

All of us in the net are dying to know. <grin>

Thanks,

Bob...

End of Info-Hams Digest V93 #1180
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